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RESEARCH INTERESTS

Computer Networks, Wireless Networks and Mobile Systems, Sensor Networks, Wireless Security, Cyber Security, and Internet Quality of Support.

TEACHING EXPERIENCE

Undergraduate Courses:

Computer Networks
Computer System Architecture
Computer Organization
Introduction to Computer Science

Graduate Courses:

Advanced Computer Networks
Wireless and Mobile Networks
Computer System Performance
Computer Architecture

EDUCATION

Ph.D.	The Pennsylvania State University University Park, PA	1993
M.S.	The University of Rhode Island Kingston, RI	1989
B. S.	National Institute of Technology Rourkela, India	1987

PROFESSIONAL EXPERIENCE

2013 --	Interim Vice-Provost and CIO, University of California, Davis, CA
2003 --	Professor, Computer Science Department, University of California, Davis, CA
2009 -- 2013	Tim Bucher Family Endowed Chair, University of California, Davis, CA
2007 -- 2013	Chair, Computer Science Department, University of California, Davis, CA
2012 -- 2013	World Class University (WCU) Visiting Professor, KAIST, Korea
Jan -- Dec. 2012	Visiting Scientist, NICTA, Australia
2006 - 2008	Director, Center for Future Information Technology (CFIT)
Jun-Aug. 2007-09	Visiting Professor, Yonsei University, South Korea

2004 -- 2007	Chair, Graduate Group in Computer Science University of California, Davis, CA
Nov-Dec., 2004	Visiting Researcher, National ICT Australia (NICTA), Sydney, Australia
July-Oct., 2004	Visiting Scientist, Institute for Infocomm Research (I2R), Singapore
2001 -- 2003	Associate Professor, Computer Science Department, University of California, Davis, CA
1999 – 2001	Associate Professor, Computer Science & Engineering Department Michigan State University, East Lansing, MI
May-Aug, 2000	Visiting Professor, Intel Corporation, Beaverton, Oregon
May-Aug, 1999	Visiting Professor, Intel Corporation, Beaverton, Oregon
1998-1999	Associate Professor, Electrical and Computer Engineering Department Iowa State University, Ames, IA 50011
May-July, 1998	Visiting Scientist, Panasonic Information and Networking Technologies Laboratory, Panasonic Technologies Inc., Princeton, New Jersey
1993-1998	Assistant Professor, Electrical and Computer Engineering Department Iowa State University, Ames, IA 50011

HONORS AND AWARDS

- Fellow of AAAS, 2013
- Fellow of the IEEE, 2010
- Outstanding Engineering Alumni Award, Pennsylvania State University, 2008
- Outstanding Engineering Faculty Award, College of Engineering, UC Davis, 2011.
- HP Labs Innovation Award, 2011, 2012, 2013
- Editor-in-Chief, IEEE Transactions on Mobile Computing, 2014-
- Paper published in ICCD-2000 was selected among the four most influential work during the first 30 years of ICCD conference (A Retrospective presented at the 30th ICCD-2012)
- Best Paper Awards:
 - ACM BodyNets, 2013
 - IEEE ICCCN, 2013
 - International Symposium on Wireless Personal Multimedia Communications, 2011.
 - IEEE Wireless Mobile Computing (WiMob) Conference, 2009
- World Class University (WCU) Visiting Professor, KAIST, Korea, 2012-13
- Mentor, Award for Excellence in Postdoctoral Research, 2012 (Dr. Amit Pande).
- Advisor, Best Graduate Researcher Award, Computer Science Department, UC Davis, 2013 (Student: Xinlei Wang)
- Advisor, Best Graduate Researcher Award, Computer Science Department, UC Davis, 2012 (Student: An Chan)

- Mentor, Award for Excellence in Postdoctoral Research, 2011 (Dr. Kai Zeng).
- Advisor, Best Doctoral Dissertation Award from the College of Engineering, 2007 (Student: Chao Gui)
- Advisor, Best Graduate Researcher Award, Computer Science Department, UC Davis, 2006 (Student: Chao Gui)
- Outstanding Graduate Research Award, Pennsylvania State University, 1993

CONSULTING ACTIVITIES AND INDUSTRIAL AFFILIATIONS

Sept. 2012 -	Technical Advisory Board Member, EagleEyeMed, Inc.
Jan. 2010 -	Founder, Airpackets, LLC
Sept. 2009 -	Co-Founder, Mapiz, Inc
Aug. 2011 – Dec. 2011	Consultant, AT&T Labs
Jul. 2010 – Dec. 2010	Consultant, AT&T Labs
Dec. 2007 – Mar. 2008	Consultant, Siemens
June 2004 – Oct. 2004	Consultant, Siemens
Aug. 2003 – Sept. 2003	Consultant, Intel Corporation
Oct. 2000 – July 2001	Chief Technology Officer, Polyphasic Corporation, Michigan
June 2000 – July 2000	Consultant, Intel Corporation
Jan. 2000 – May 2000	Consultant, Panasonic Information Networking and Technologies Laboratory

LITIGATION RELATED CONSULTING

Patent Infringement case between US Ethernet Innovations and Savemart, *Topic: Ethernet Packet Forwarding*, 2012

Patent Infringement case between Rockus Wireless, Inc and Netgear, Inc., *Topic: Wireless Mesh Networks*, 2013 (Gave deposition)

Patent Re-Examination, Walker Digital LLC, *Topic: Remote Video Surveillance*, 2013

Patent Inter Partes Review of Patent, Clouding LLC and Oracle, Inc., *Topic: Web Access on Pervasive Devices*, 2013

Inter Partes Review of Patent, Clouding LLC and Oracle, Inc., *Topic: Dynamic Distributed Data Systems*, 2013

Inter Partes Review of Patent, Clouding LLC and Oracle, Inc., *Topic: Key Management for Network Configurations*, 2013

Inter Partes Review of Patent, Clouding LLC and Oracle, Inc., *Topic: Configuration of Dynamic Computing Environments*, 2013

Inter Partes Review of Patent, General Growth, Westfield, etc. and George Peshchke, *Topic: Layout-Based Method for Map Navigation*, 2013.

INDUSTRIAL SPONSORS AND COLLABORATORS (CURRENT AND PAST)

AT&T
 EMC Corporation
 Hewlett Packard
 Huawei Corporation
 Intel Corporation

NEC Corporation
NICTA, Australia
Panasonic
Rockwell International
Siemens
Raytheon-BBN

GRANTS AND CONTRACTS

- [63] P. Mohapatra (Co-PI), \$23.2 M (plus \$25.0 M for 5-yr extension), Army Research Laboratory, Cybersecurity Research Alliance, “Models for Enabling Continuous Reconfigurability of Secure Missions,” 2013-19. (PI: P. MacDaniel, Co-PIs: K. Levitt, Z. Su, T. LaPorta, T. Jaeger, S. Krishnamurthy, H. Madhyastha, I. Neamtiu, J. Camp, B. Bertenthal, D. Henshel, L. Cranor, L. Bauer, N. Christin, C. Gonzalez)
- [62] P. Mohapatra (Co-PI), \$500,000, National Science Foundation, “Towards a User-Centric Battery Management System for Smartphones,” 2013-16. (Co-PI: Srikanth Krishnamurthy)
- [61] P. Mohapatra (PI), \$75,000, Hewlett Packard Company, “Location Based Communications and Services,” 2013-14.
- [60] P. Mohapatra (PI), \$18,500, Huawei Technologies, “Performance of Smartphone Applications,” 2012-13.
- [59] P. Mohapatra (PI), \$150,000, National Science Foundation, “Deep Network Inspection,” 2012-14.
- [58] P. Mohapatra (Co-PI), \$860,000, RISE, UC Davis, “Wireless Health and Wellness Research Center,” 2012-15, (Co-PIs: J. Han, T. Nesbitt, H. Young, and L. Berglund).
- [57] P. Mohapatra (PI), \$95,000, Hewlett Packard Company, “Location Based Communications and Services,” 2012-13.
- [56] P. Mohapatra (PI), \$119,500, US Army Research Laboratory, “Trusted Networks,” 2011-12.
- [55] P. Mohapatra (PI), \$195,000, US Army Research Office, “Mobility and Security in Wireless Networks,” 2011-12.
- [54] P. Mohapatra (PI), \$125,000, National Science Foundation, “CIFellows Project,” 2011-12.
- [53] P. Mohapatra (PI), \$75,000, Hewlett Packard Company, “Location Based Communications and Services,” 2011-12.
- [52] P. Mohapatra (PI), \$140,000, National Science Foundation, “CIFellows Project,” 2010-11.
- [51] P. Mohapatra (PI), Total \$35.5M, \$7,000,000 (UC Davis Share), Army Research Laboratory, Collaborative Technology Alliance (CTA), “Quality of Information Aware Networks for Tactical Applications,” (Co-PIs: K. Levitt, F. Wu, R. D’Souza, Q. Zhao), 2009-2019.

- [50] P. Mohapatra (PI), \$38,400, UC MICRO, "Cross-Layer Techniques for Resource Management in Wireless Mesh networks," 2008-09 (Co-PIs: X. Liu, C. Chuah).
- [49] P. Mohapatra (Co-PI), \$65,000, Intel Corporation, "SWiM: Scalable Wireless Mesh Networks," 2008-09 (PI: X. Liu).
- [48] P. Mohapatra (PI), \$200,000, National Science Foundation "Cross-layer Design for Streaming Video in Multihop Wireless Mesh Networks" 2008-11.
- [47] P. Mohapatra (PI), \$20,000, Intel Corporation "Diversity Research Program" 2008-09.
- [46] P. Mohapatra (Co-PI), \$65,000, Intel Corporation, "WiMO: Wireless Management Overlays" 2007-08 (PI: C. N. Chuah).
- [45] P. Mohapatra (Co-PI), \$65,000, Intel Corporation, "Scalable Enterprise Mesh Networks," 2007-08 (PI: X. Liu).
- [44] P. Mohapatra (PI), \$114,440, UC MICRO, "Security and Manageability of Networks" 2007-08 (Co-PIs: Felix Wu, Kwan-liu Ma, Ben Yoo, Karl Levitt).
- [43] P. Mohapatra (PI), \$93,412, UC MICRO, "Cross-Layer Techniques for Resource Management in Wireless Mesh networks" 2007-08 (Co-PIs: Xin Liu, Chen-nee Chuah).
- [42] P. Mohapatra (PI), \$12000, Intel Corporation, "CFIT Diversity Program" 2007-08.
- [41] P. Mohapatra (PI), \$290,000, National Science Foundation, "Cooperative Security Mechanisms for DNS" 2007-10.
- [40] P. Mohapatra (PI), \$280,000, National Science Foundation, "QuRiNet: A Wide-Area Outdoor Mesh Test-bed" 2007-11 (Co-PIs: X. Liu, V. Boucher).
- [39] P. Mohapatra (PI), \$50,000, Intel Corporation, "Co-operative DNS Security" 2007-08.
- [38] P. Mohapatra (Co-PI), \$60,000, Intel Corporation, "Multicore Equipment Donation" (PI: Zhendong Su), 2007-08.
- [37] P. Mohapatra (PI), \$6,250,000, Department of Defense (Army Research Office), "ARSENAL: A Cross-Layer Architecture for Secure Resilient Tactical Mobile Ad Hoc Networks," 2006-07 (Co-PIs: K. Levitt, F. Wu, S. Krishnamurthy, M. Faloutsos, L. Swindlehurst, M. Jensen, S. Kaser, T. La Porta, G. Cao, P. Krishnamurthy, D. Tipper, J. J. Garcia-Luna-Aceves), 2007-2012.
- [36] P. Mohapatra (PI), \$25,000, Hewlett Packard Company, "Video over Wireless Mesh Networks," 2007-08.
- [35] P. Mohapatra (Co-PI), \$70,000, Intel Corporation, "Management of Wireless Mesh Networks" 2006-07 (PI: C. N. Chuah).

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